

CLEMATIS PLANT NAMED 'VANSO'

LATIN NAME OF GENUS CLASSIFICATION

The botanical classification of the present invention
~~relates to a new Clematis plant~~ is Clematis hybrid.

5 VARIETY DENOMINATION

The new plant has the varietal denomination 'VANSO'.

BACKGROUND OF THE INVENTION

The present invention relates to a new Clematis plant
having the varietal denomination 'VANSO'. 'VANSO' was discovered
10 as a natural branch mutation of the variety 'MRS. CHALMONDELEY',
not known to be patented.

SUMMARY OF THE INVENTION

The new variety is a Clematis plant with a climbing habit
distinguished by production of fully double flowers. Asexual
15 reproduction of the new variety as performed by softwood
cuttings in Boskoop, The Netherlands has confirmed that the
distinguishing characteristics of the new variety are
transmitted through succeeding generations and asexually
reproduced plants of the new variety reproduce true-to-type.

20 COMPARISON WITH PARENT

The new variety differs from its parent, 'MRS. CHALMONDELEY',
in producing flowers which are fully double; whereas flowers of
the parent variety are single.

BRIEF DESCRIPTION OF ILLUSTRATIONS

25 The accompanying illustrations depict plants of the new
variety in color as true as possible in color photographic
illustrations of this nature.

FIG. 1 shows the plant of the new variety with a cluster of flowers; and

FIG. 2 shows a close up of the flower of the new variety.

DETAILED DESCRIPTION OF THE NEW VARIETY

5 The following is a description of the new variety taken from 2-year-old plants grown out-of-doors in 5 liter containers in Boskoop, The Netherlands during the month of June. Color designations used herein are from THE ROYAL HORTICULTURAL SOCIETY COLOUR CHART ("RHSC"). The age of the plants used for
10 the description is 2 years and were grown in 5 litre containers.

PLANT

The plant grows in a climbing habit and attains a height of slightly more than 2 M. with an average diameter of about 35 cm. and with vigorous growth.

15 FOLIAGE

Size: About 5 cm. to 8 cm. long, and up
to about 4.8 cm. wide; diameter
approximately 35 cm.

Quantity: About 6 leaves (3 pairs of
20 opposite leaves) per about 15 cm.
stem.

Leaf

Average length: About 15.3 cm.

Average width: About 9.3 cm.

25 Average length
of leaflets: About 5 to 8 cm; average about
6.2 cm.

Average width
of leaflets: About 2.7 to 4.8 cm; average
30 about 3.2 cm.

	Leaflet apex:	Apiculate
	Leaflet base:	Attenuate to acuminate
	Average petiole	
	length:	About 7.5 cm.
5	Average petiole	
	width:	About 2 mm.
	Color	
	Immature foliage	
	Upper side:	Between <u>R.H.S.-CC 141A</u> and 143A
10	Underside:	Between <u>R.H.S.-CC 146A</u> and 146B
	Mature foliage	
	Upper side:	Near 137A
	Under side:	Between <u>R.H.S.-CC 137B</u> and 137C
	Shape:	Trifoliolate - leaflets are ovate
15		to narrow ovate
	Texture	
	Upper side:	Smooth
	Under side:	Smooth
	Venation:	Anastomosing
20	Edge:	Smooth with no serration
		observed.
	Petiole color	
	Top surface:	Near 166A
	Under side:	Between <u>R.H.S.-CC 143A</u> and 141B
25	Stipules:	No stipples -stipules observed
	Auricles:	No auricles observed
	Rachis:	Smooth
	STEM	
	Average length:	About 90 cm.
30	Average width:	About 3 mm.
	Texture:	Smooth, slightly glossy

	Aspect:	Ribbed lengthways with an average of 6 ribs
	Average internode length:	About 12.6 cm.
5	Color of young stem:	Near <u>R.H.S.-CC 143A to 143C to 144A</u>
WOOD		
10	Color:	Color of new wood <u>green to yellow green - near R.H.S.-CC 143A and 143C to 144A</u> ; color of old wood <u>greyed-orange - near R.H.S.-CC 175A to 175B</u>
15	Bark:	Bark has short pale greyish hairs
FLOWER:		
	Color:	Clear blue double flowers
	Shape of buds:	Ovate
20	Average length of buds:	About 2.4 cm.
	Average width of buds:	About 1.4 cm.
	Color of buds:	<u>Yellow-green, near R.H.S.-CC 145A</u> , with lighter axial stripes, near <u>R.H.S.-CC 145D</u> .
25	Average number of flowers and buds per plant per season:	7
	Flower shape:	Round <u>Rotate</u>
30	Average flower diameter:	About 16.1 cm.
	Average flower depth:	About 6.7 cm.

Fragrance: Very faint, sweet

Tepals

Average number: 6 (occasionally 7 or 8)

Average length: About 8 cm.

5 Average width: About 4.9 cm.

Shape: Obovate

Apex: Mucronulate

Base: Cuneate

Margin: Entire

10 Color of tepal

when young

Upper side: Violet-blue; near R.H.S.-CC 92A,
tip and central band near the tip
near R.H.S.-CC 71B to 71C

15 Under side: Violet-blue; near R.H.S.-CC 90D,
with a broad central band near
R.H.S.-CC 145C to 145D (with a
slight touch of violet-blue)

Color of tepal

20 when mature

Upper side: Violet-blue; near R.H.S.-CC 91B
with a lighter center near
R.H.S.-CC 91D and a small blotch
near R.H.S.-CC 71C to 71D at the
tip

25 Under side: Violet-blue; near R.H.S.-CC 91C;
margins darker; near R.H.S.-CC
91B and a broad central band near
R.H.S.-CC 145C to 145D

30 Tepaloids~~Petaloids~~: ~~The flowers have no sepals,~~
~~only petaloids~~

	Average number:	About 325
	Average length:	About 4.2 cm.
	Average width:	
	Outer	
5	(wider):	About 1.8 cm.
	Inner	
	(Narrower):	About 4.5 mm.
	Shape	
	Outer:	Obovate
10	Inner:	Linear
	Apex	
	Outer:	Rounded to praemorse
	Inner:	Acute
	Base:	Cuneate
15	Margin:	Entire
	Color when young	
	Upper side:	Outer tepaloïds petaloïds violet-blue near <u>R.H.S.-CC 92A</u> ; tip violet near <u>R.H.S.-CC 86B</u> ; inner tepaloïds petaloïds violet near <u>R.H.S.-CC 86B to 86C</u>
20		
	Under side:	Outer tepaloïds petaloïds violet-blue near <u>R.H.S.-CC 90D</u> , with a broad central band near <u>R.H.S.-CC 145C</u> to 145D; inner tepaloïds petaloïds violet-blue near <u>R.H.S.-CC 91D</u>
25		
	Color when mature	
30	Upper side:	Outer tepaloïds petaloïds violet-blue near <u>R.H.S.-CC 91A</u> with a

lighter center near R.H.S.-CC 91B
to 91C; inner ~~tepaloïds~~petaloïds
violet-blue near R.H.S.-CC 92A

5 Under side: Outer ~~tepaloïds~~petaloïds violet-
blue near R.H.S.-CC 91C to 91D,
margins darker near R.H.S.-CC 91B
and a central blotch near R.H.S.-
CC 145D; inner ~~tepaloïds~~petaloïds
violet-blue near 91D

10 Average flower
 lastingness of
 individual flower: 20 days
 Time to produce
 a flowering plant: 12 months

15 Natural flowering
 season: June to September in Boskoop,
 The Netherlands

20 Flowers completely double; all reproductive organs
transformed into ~~tepaloïds~~petaloïd. No pollen ~~areis~~ formed, no
anthers, no stigmas, or pistils are present, no fruits or seeds
isare produced.

25 WINTER HARDINESS: Winter hardy in USDA Zone 5

 RESISTANCE TO DISEASE: No more susceptible to disease
 than its parent variety or other
 similar varieties.

30 BREEDING: Asexual reproduction was started
 from softwood cuttings during the

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5

summer months in tunnels.
Natural mutation was observed
when one branch of the parent
variety flowered with double
flowers. This mutation branch
was then propagated by softwood
cuttings.

STAMENS, FILAMENTS & ANTHERS

10

Arrangement:

Flowers are completely double, so
no stamens, styles, etc. are
visibly present. No seed
formation observed.

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I CLAIM:

A new Clematis plant of the variety substantially as shown
and described.

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CLEMATIS PLANT NAMED 'VANSO'

ABSTRACT

Described as a new variety of Clematis which produces fully
5 doubled flowers of attractive coloration.